Express Mail Label No:
EL711220899US
Date of Deposit: 9-27-00

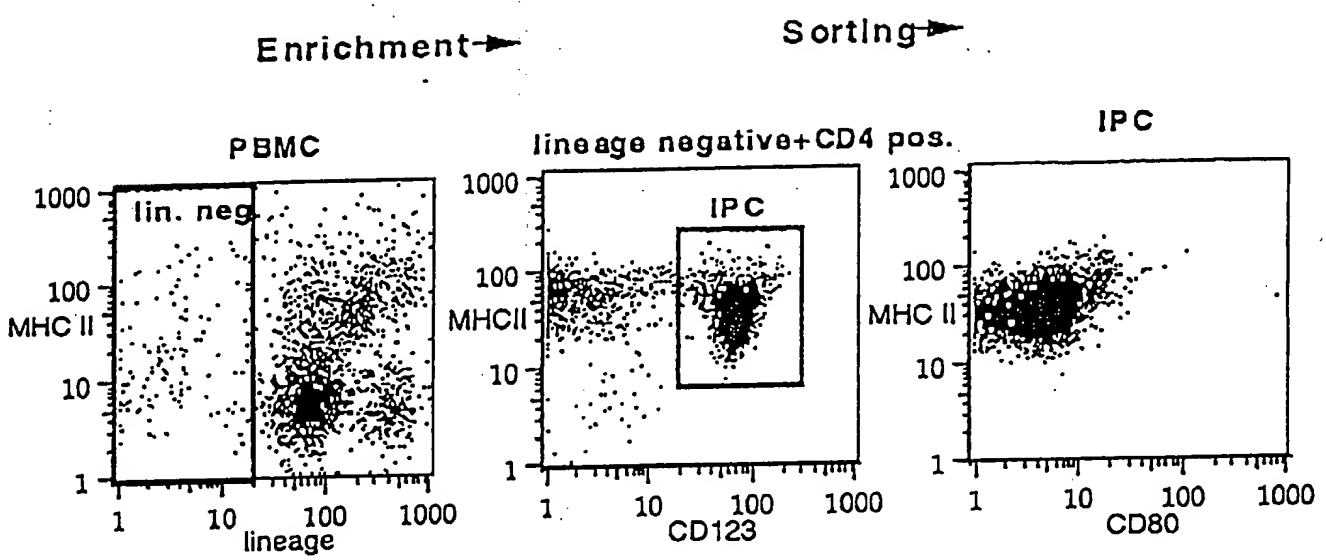

Figure 1

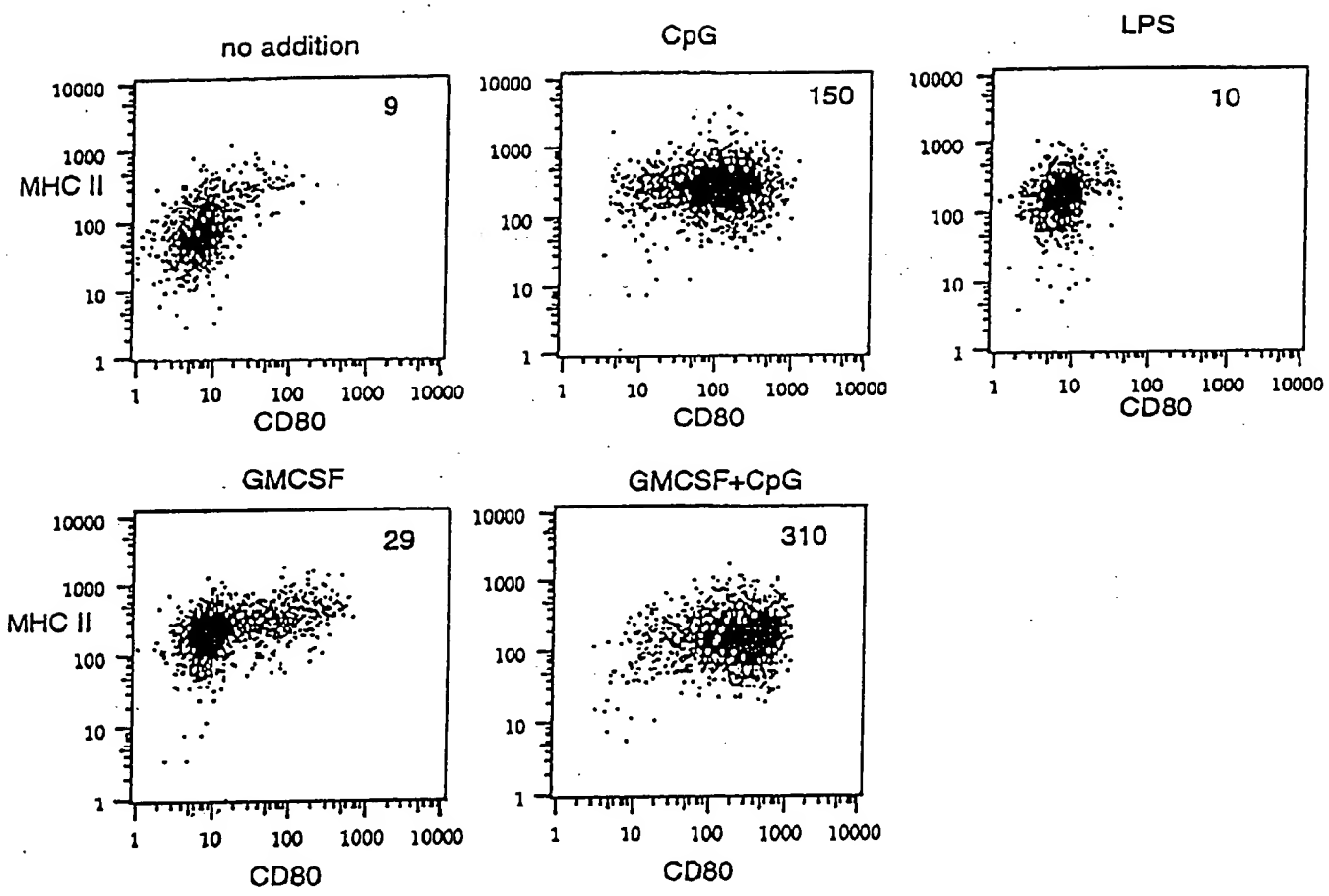
no addition
9
CpG
150
LPS
10
GMCSF
29
GMCSF+CpG
310
MHC II
CD80
10000
1000
100
10
1

Figure 2

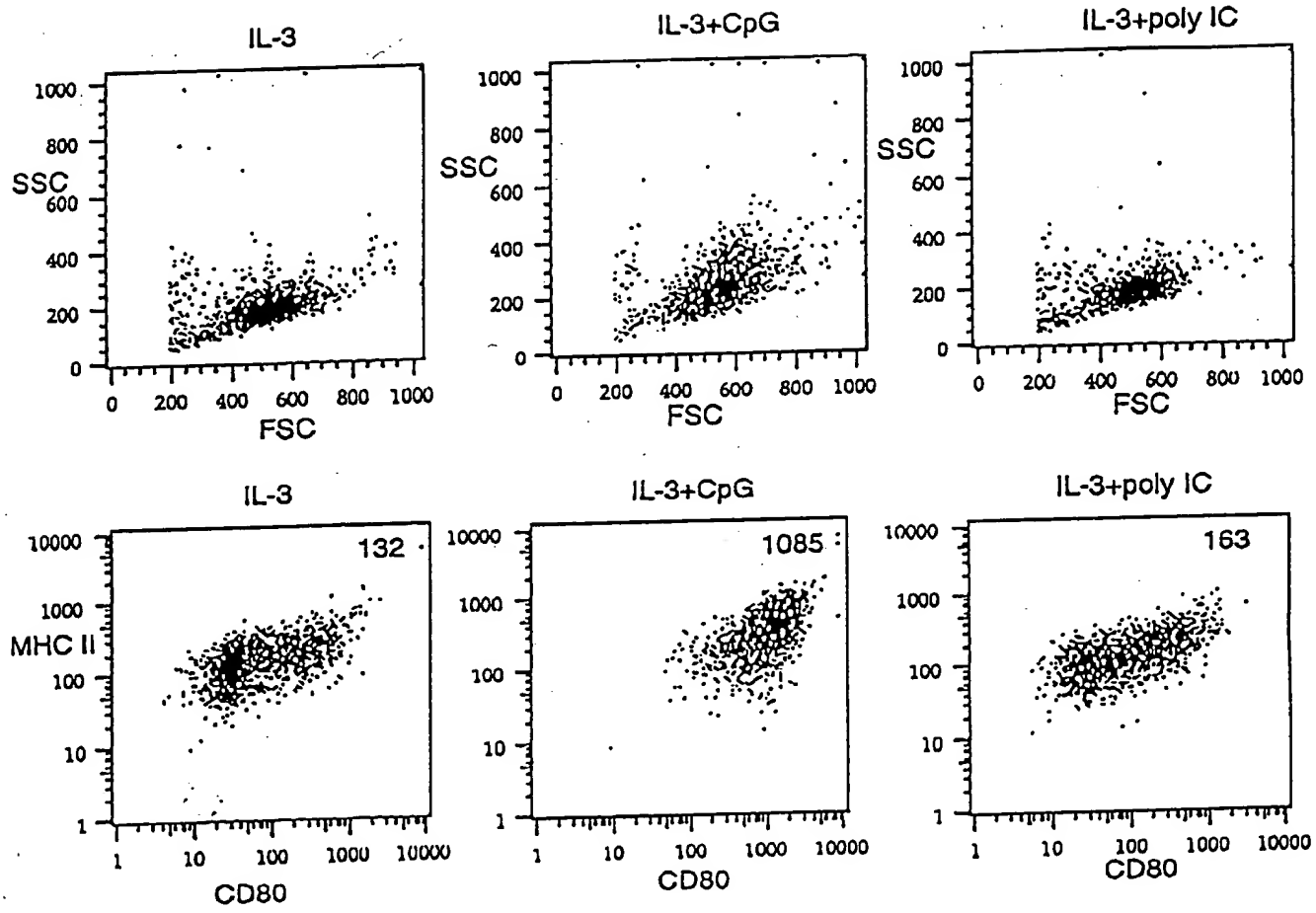
IL-3
IL-3+CpG
IL-3+poly IC
SSC
FSC
0
200
400
600
800
1000
MHC II
CD80
1
10
100
1000
10000
132
1085
163

Figure 3

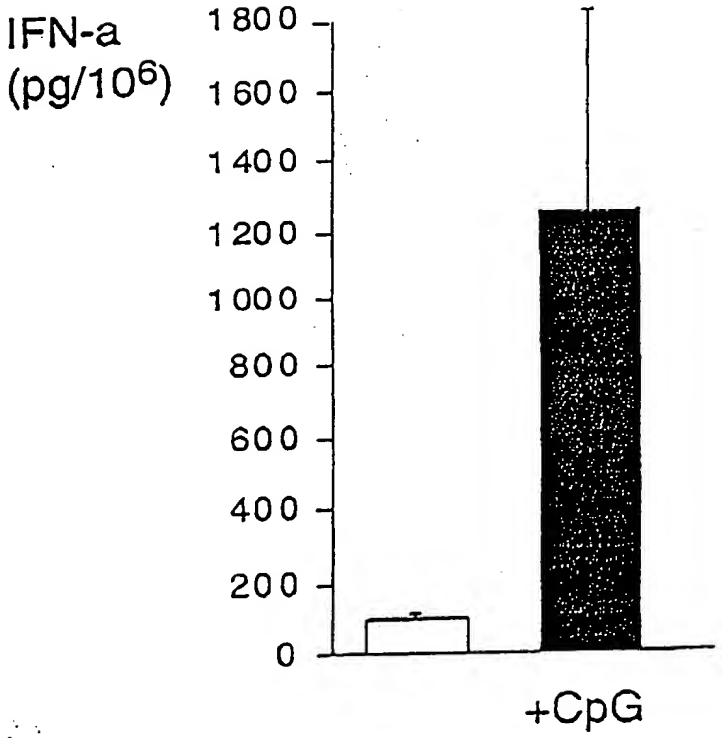

Figure 4

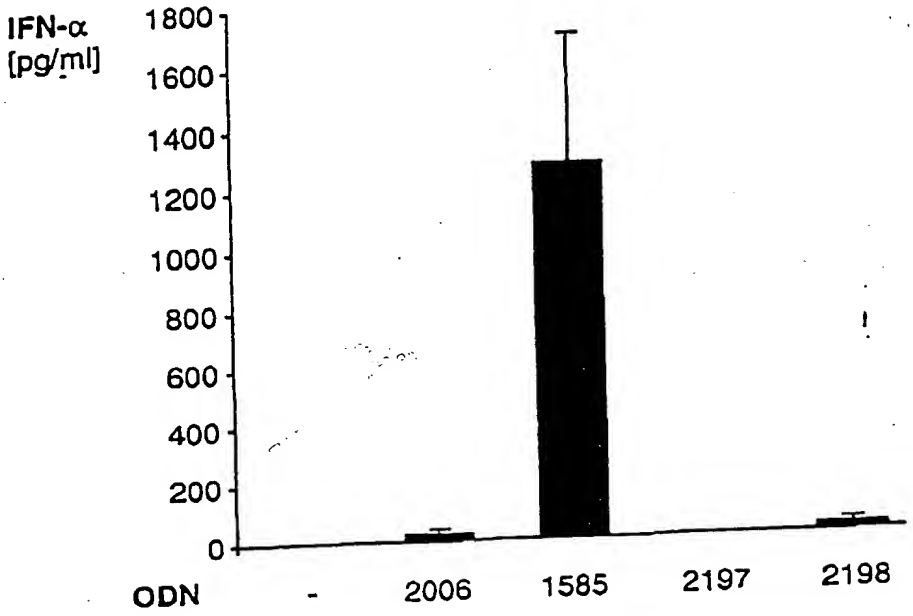
IFN-α
[pg/ml]
1800
1600
1400
1200
1000
800
600
400
200
0
ODN
-
2006
1585
2197
2198

Figure 5

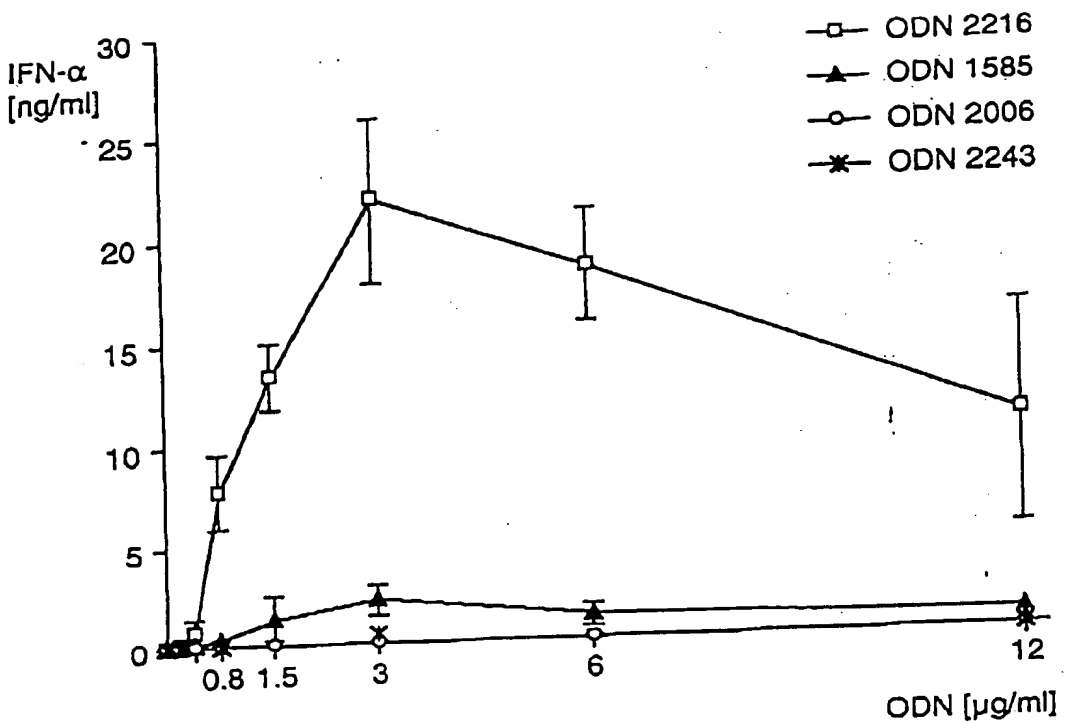
IFN-α
[ng/ml]
30
25
20
15
10
5
0
0.8
1.5
3
6
12
ODN [µg/ml]
ODN 2216
ODN 1585
ODN 2006
ODN 2243

Figure 6

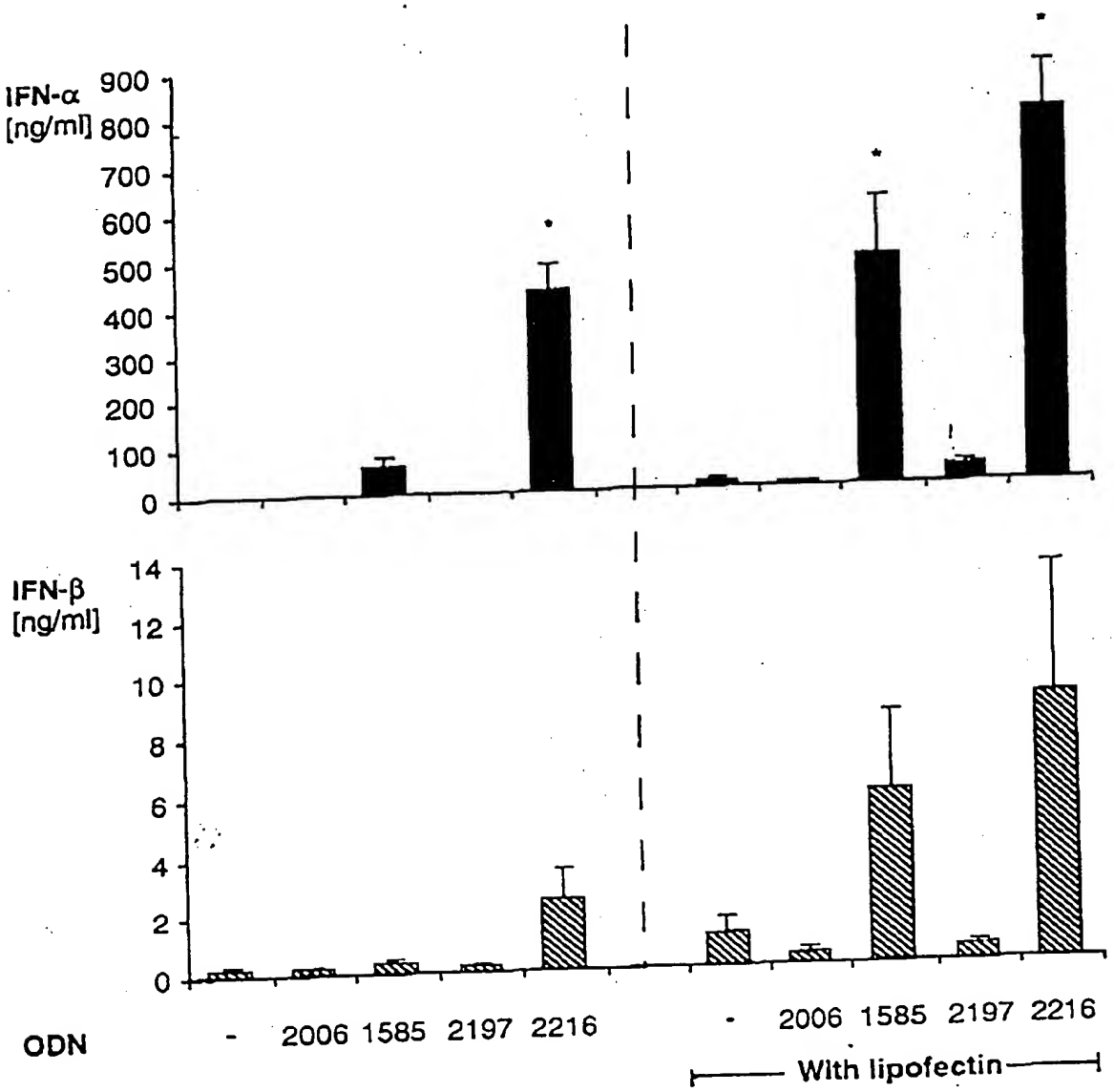
IFN-α
[ng/ml]
900
800
700
600
500
400
300
200
100
0
IFN-β
[ng/ml]
14
12
10
8
6
4
2
0
ODN
-
2006
1585
2197
2216
-
2006
1585
2197
2216
With lipofectin

Figure 7

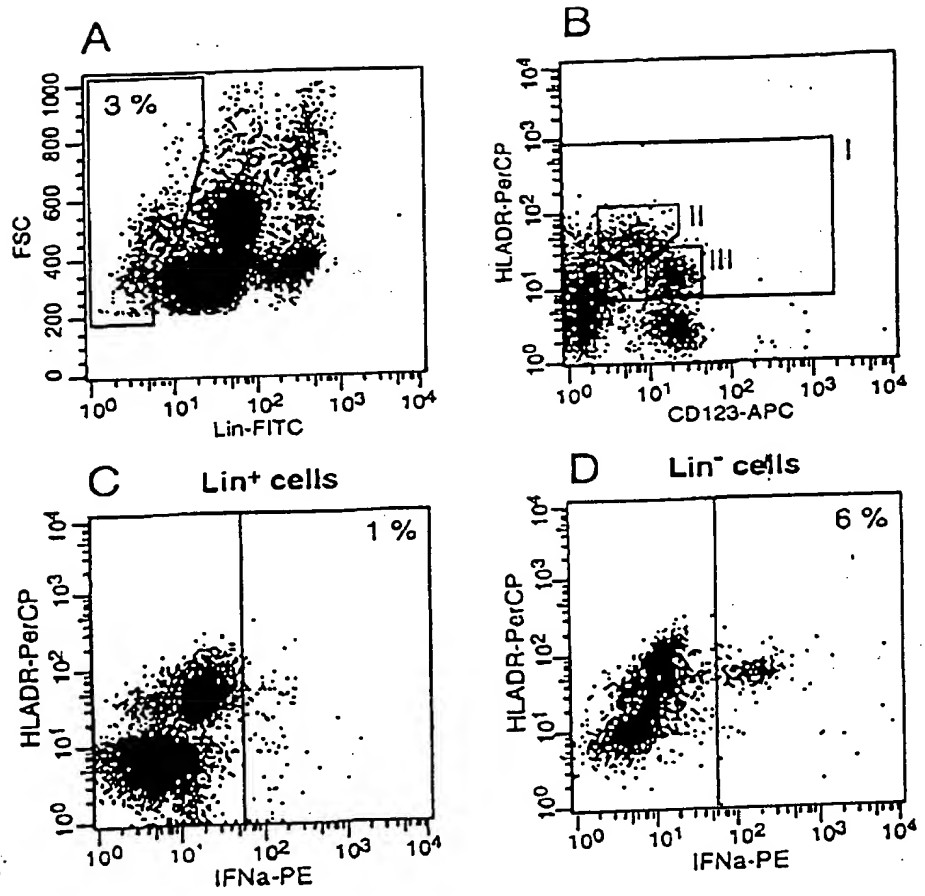
A
3 %
FSC
Lin-FITC
B
HLADR-PerCP
CD123-APC
I
II
III
C
Lin+ cells
1 %
HLADR-PerCP
IFNa-PE
D
Lin- cells
6 %
HLADR-PerCP
IFNa-PE

Figure 8

09/29/2006 13:59 9562767960

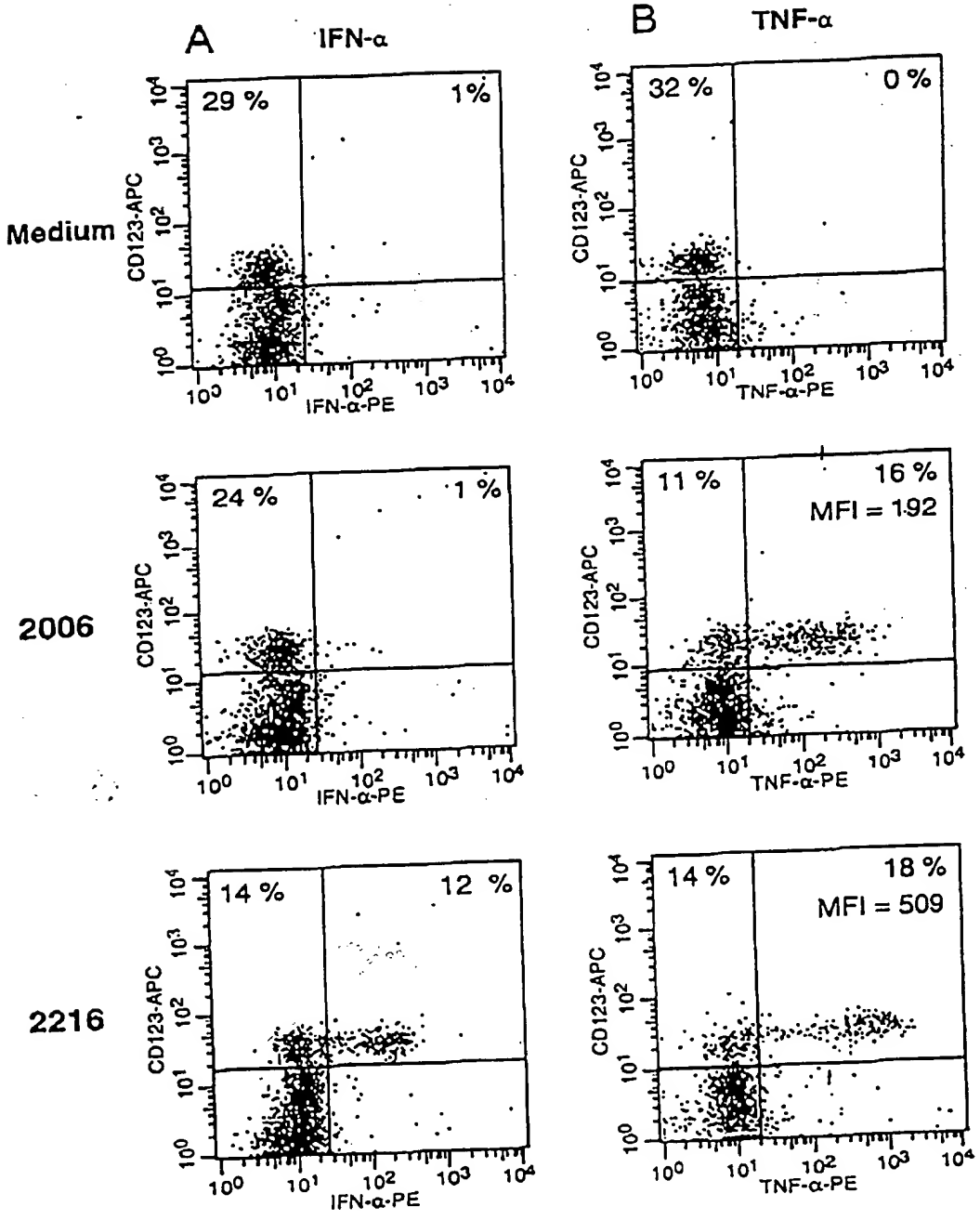

Figure 9

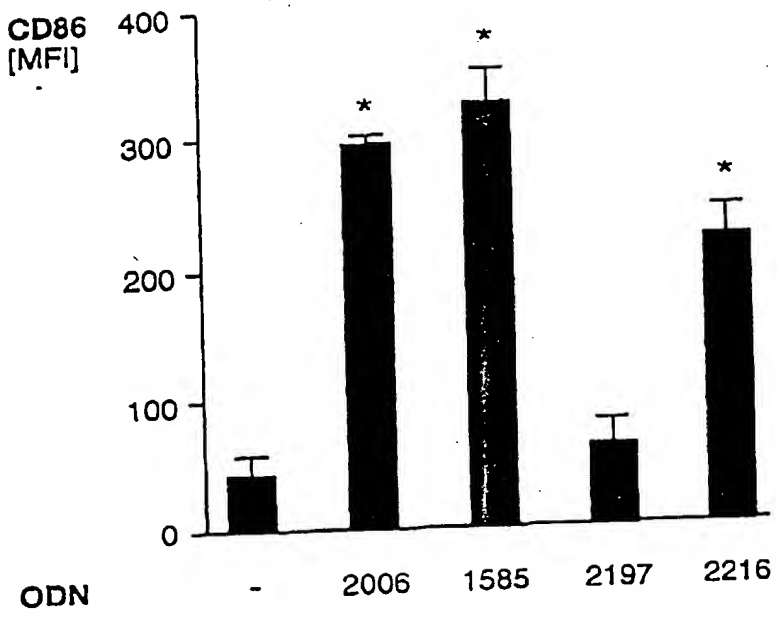

Figure 10

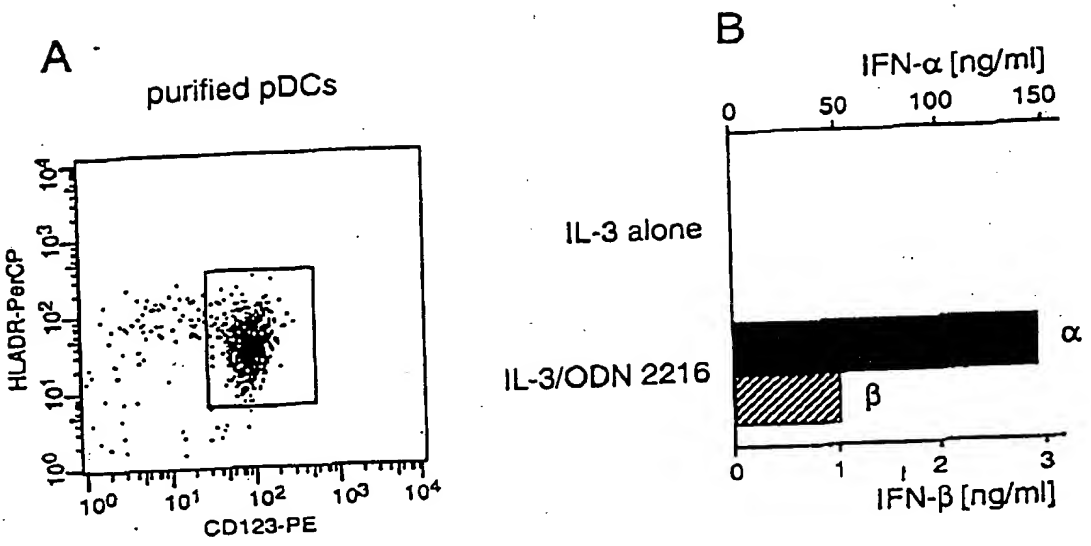
A
purified pDCs
HLADR-PerCP
CD123-PE
B
IFN-α [ng/ml]
0
50
100
150
IL-3 alone
IL-3/ODN 2216
α
β
0
1
2
3
IFN-β [ng/ml]

Figure 11

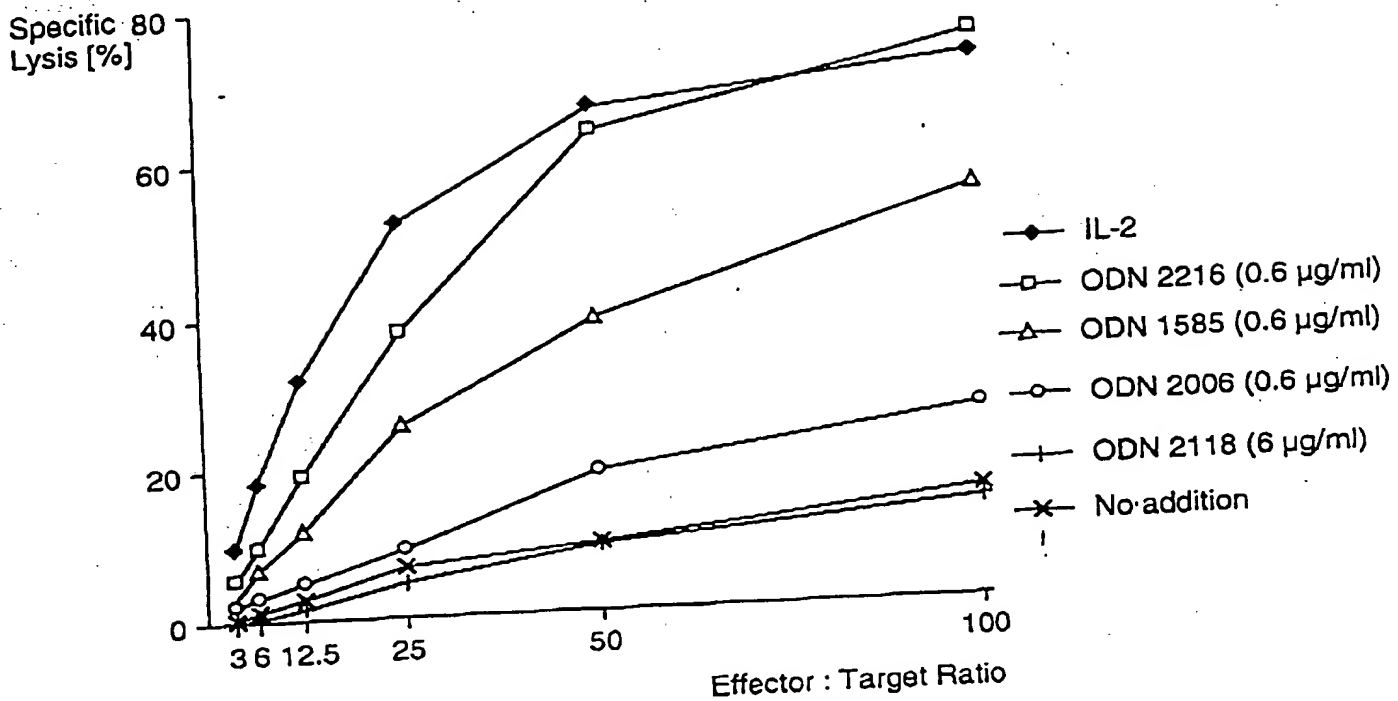
Specific Lysis [%]
80
60
40
20
0
3 6 12.5
25
50
100
Effector : Target Ratio
IL-2
ODN 2216 (0.6 µg/ml)
ODN 1585 (0.6 µg/ml)
ODN 2006 (0.6 µg/ml)
ODN 2118 (6 µg/ml)
No addition

Figure 12

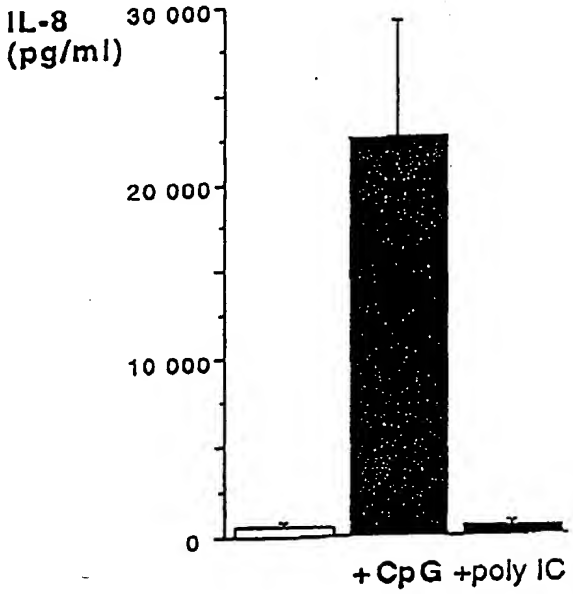

Figure 13

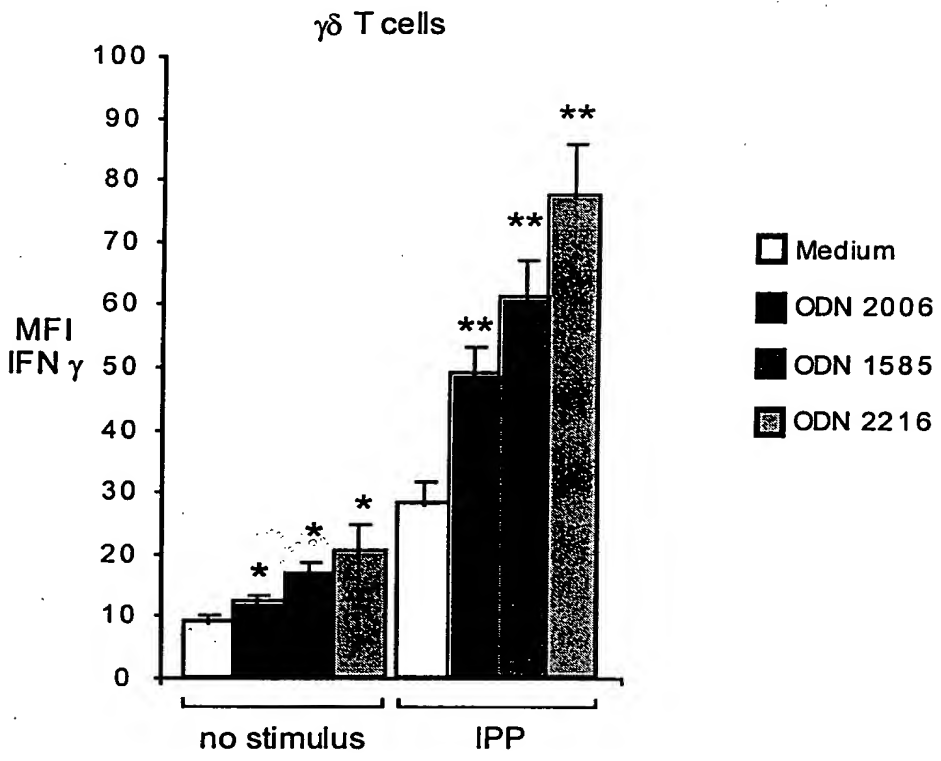
γδ T cells
MFI IFN γ
100
90
80
70
60
50
40
30
20
10
0
*
*
*
**
**
**
no stimulus
IPP
Medium
ODN 2006
ODN 1585
ODN 2216

Figure 14

007260 92T27960

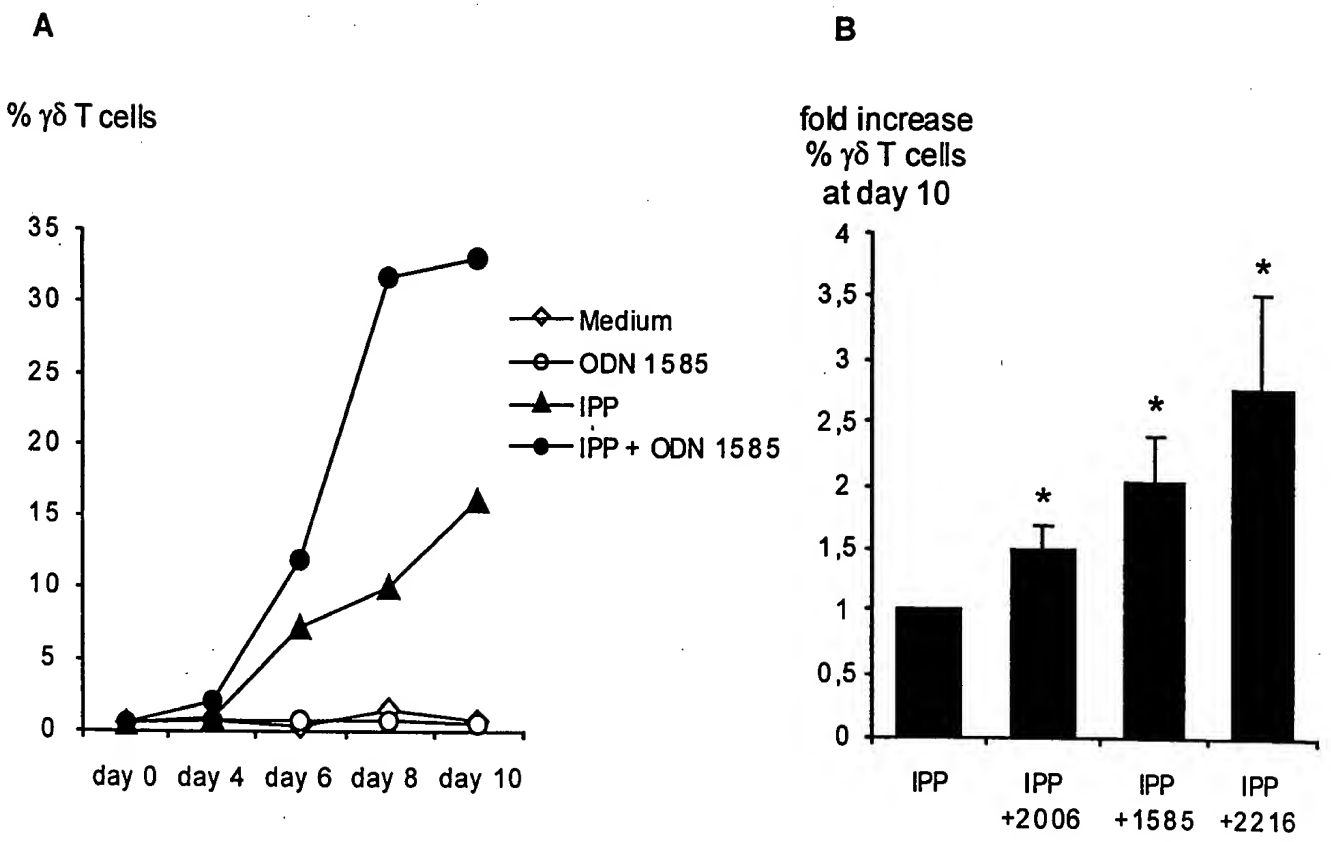

Figure 15

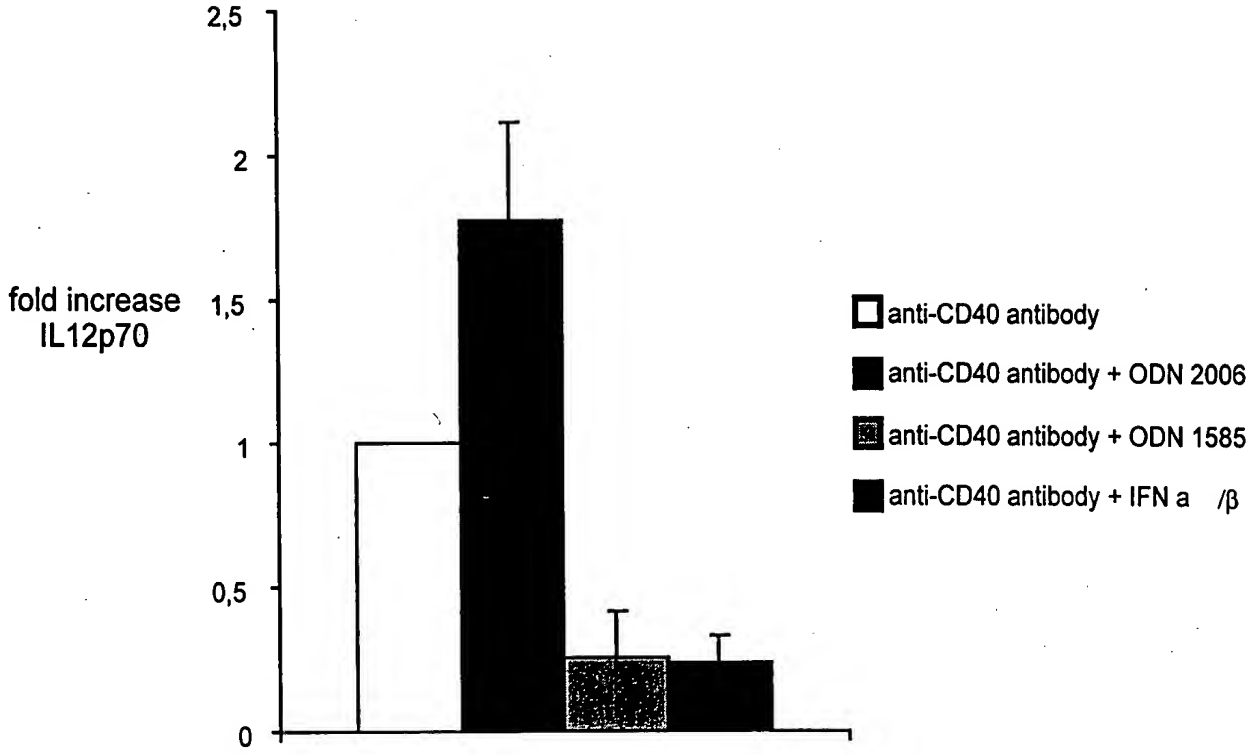
2,5
2
1,5
1
0,5
0
fold increase
IL12p70
anti-CD40 antibody
anti-CD40 antibody + ODN 2006
anti-CD40 antibody + ODN 1585
anti-CD40 antibody + IFN a /β

Figure 16

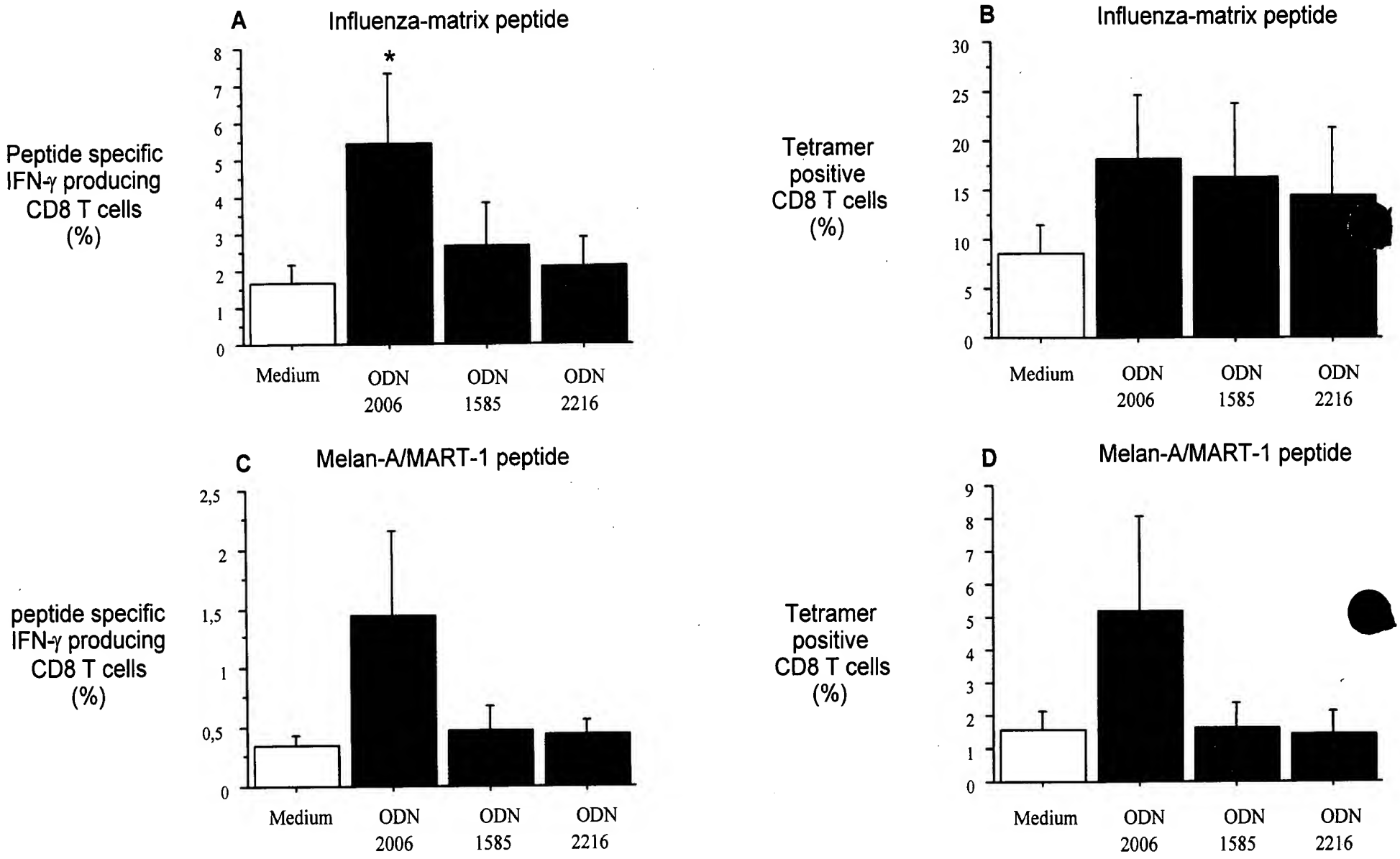
A
Influenza-matrix peptide
Peptide specific IFN-γ producing CD8 T cells (%)
*
Medium
ODN 2006
ODN 1585
ODN 2216
B
Influenza-matrix peptide
Tetramer positive CD8 T cells (%)
Medium
ODN 2006
ODN 1585
ODN 2216
C
Melan-A/MART-1 peptide
peptide specific IFN-γ producing CD8 T cells (%)
Medium
ODN 2006
ODN 1585
ODN 2216
D
Melan-A/MART-1 peptide
Tetramer positive CD8 T cells (%)
Medium
ODN 2006
ODN 1585
ODN 2216

Figure 17

09672826 "092700

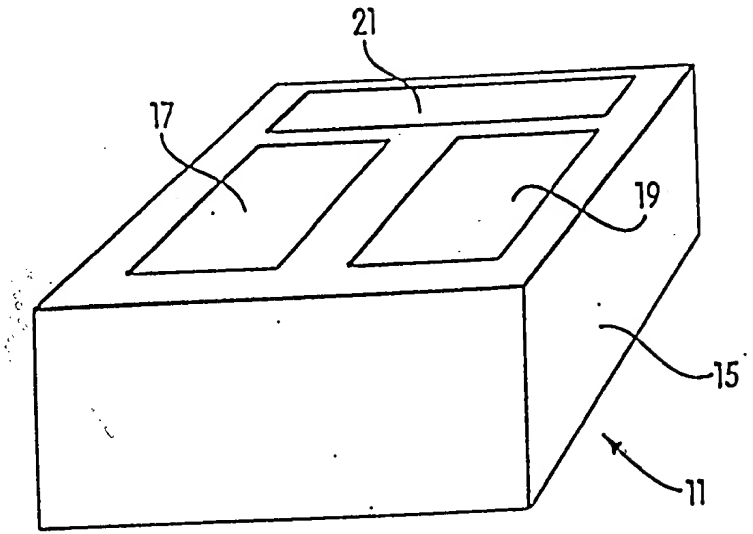

Figure 18